

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR  
CALCULATING A LEVEL OF DETAIL (LOD) DURING COMPUTER  
GRAPHICS PROCESSING

**ABSTRACT**

A system, method and article of manufacture are provided for calculating a level of detail (LOD) value for use during computer graphics processing. First, a plurality of geometrically arranged coordinates is identified. A distance value is computed based on the geometrically arranged coordinates. A LOD value is then calculated using the distance value for use during computer graphics processing. In one embodiment, a derivative value is estimated based on the geometrically arranged coordinates, and the distance value is computed based on the derivative value.

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